WHAT IS CLAIMED IS:

1. A golf ball having a spherical surface, comprising

(a) a pattern defined on the golf ball surface, said pattern including a plurality of geometries; and

(b) a plurality of dimples arranged in said geometries, respectively, said dimples comprising at least two groups of dimples, a first group of dimples having a first depth and being arranged adjacent to a portion of the perimeter of said geometries and a second group of dimples having a second depth different from said first depth and being arranged within said first group of dimples, said first and second depths being independent of the widths of said first and second groups of dimples, respectively, whereby the golf ball has improved aerodynamic properties.

2. A golf ball as defined in claim 1, and further comprising a third group of dimples having a third depth different from said second depth and independent of the width of said third group of dimples, said third group of dimples being arranged within said second group of dimples, whereby a depth progression of dimples is provided within each geometry.

3. A golf ball as defined in claim 2, wherein said first depth is less than said second depth which is less than said third depth.

4. A golf ball as defined in claim 2, wherein said third depth is less than said second depth which is less than said first depth.

5. A golf ball as defined in claim 2, wherein said first and third depths are equal and different from said second depth.

6. A golf ball as defined in claim 2, wherein said geometry comprises a triangle.

7. A golf ball as defined in claim 6, wherein said triangles are defined by great circles arranged on the golf ball surface, one of said great circles defining an equator which divides the golf ball surface into two hemispheres.

8. A golf ball as defined in claim 7, wherein said triangles are generally equal, with the same number of triangles being provided in each hemisphere of the golf ball surface.